

METAL SPACE FRAME RADOME SALIENT FEATURES DATA SHEET

MECHANICAL FEATURES	
Panel Frame Material	6061-T6 Aluminum
Panel Membrane Material	ESSCOLAM 6™ or ESSCOLAM 10™
Panel Membrane Surface	Tedlar® integrally bonded (ESSCOLAM 6™) or ESSCOLAM 10™ hydrophobic surface on top of Tedlar® (Optional)
ENVIRONMENTAL CHARACTERISTICS	
Operational Wind Load	150 mph (240 km/hr) (Options available)
Operational Temperature Range	-65°F to +165°F (-54°C to + 71°C)
Solar Radiation Rejection	90% or greater (White exterior)
Relative Humidity	0 to 100%
Actinic Radiation	As encountered in the tropics
Ozone	Arctic/heavy equipment
Salt Atmosphere	Per MIL-STD-810, Method 509, Proc 1
Sand and Dust	Per MIL-STD-810, Method 510
Altitude at Site	Unlimited
Fire Retardancy	Per ASTM D635
Fungus Resistance	Per MIL-STD-454, Requirement 4
Ice, Snow or other Precipitation Load	50 psf
ELECTRICAL	
Panel Membrane Dielectric Constant	3.0
Panel Membrane Loss Tangent	0.009
OTHER FEATURES	
Packaging and Marking	Commercial Standards
Transportability	Air, land or sea transport
Design Life	20 years

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